Tripp Lite
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SmartPro 230V 5kVA 3.75kW Line-Interactive Sine Wave UPS, Extended Run, SNMP, Webcard, 3U Rack/Tower, USB, DB9 Serial

MODEL NUMBER: **SMX5000XLRT3U**

Highlights

- 5kVA / 5000VA line interactive 3U rack/tower UPS; Sine wave output
- 230V nominal output during brownouts to 170V and overvoltages to 282V
- USB, Serial, EPO & optional SNMP/Web card monitoring options
- 3U all-in-one chassis; 98% efficiency
- Hardwire input; 8 C13 & 3 C19 outlets

Package Includes

- SMX5000XLRT3U UPS system
- PowerAlert Software and Cabling
- Mounting hardware for 4 post rackmount installation
- Warranty information
- Instruction manual

Description

5000VA line interactive UPS system for server, network and telecommunications equipment. 5kVA UPS with internal batteries installs in only 3 rack spaces with a depth of only 635mm / 25 inches. High 98% line-power efficiency rating reduces energy consumption and BTU heat output. Expandable battery runtime with optional BP48V24-2U (limit 1), BP48V60RT-3U (multi-pack compatible) and BP48V27-2US (multi-pack compatible) external battery packs. Uninterruptible Power Supply (UPS) switches to battery-derived AC output during power failures and extreme voltage variations. Line interactive Automatic Voltage Regulation (AVR) offers voltage boost during brownouts and voltage reduction during overvoltage conditions to maintain regulated 230v output over an input range of 170-282V. Supports hardwire input. Includes C19 and C13 output receptacles. Network-grade AC surge and noise suppression. Network management interfaces support communications via USB, DB9 serial and SNMPWEBCARD slot. Supports simultaneous detailed monitoring of equipment load levels, self-test data and utility power conditions via all 3 network interfaces at once. Includes PowerAlert monitoring software and complete cabling. Emergency Power Off (EPO) interface. 3-stage metered current monitoring and battery charge status LEDs. Utility power and voltage regulation LEDs. Audible alarm. Self-test. 4-post rackmount installation accessories included; 2-9USTAND tower kit and 2POSTRMKITWM two post rack mounting accessories available. Field-replaceable, hot-swappable internal batteries and external battery packs.

Features

- 5000VA/3750 watt max. output power capacity compatible with International 230V input voltage
- 3U rack/tower UPS installs in standard 19 inch rack enclosures with an installed depth of only 635mm / 25in
- Protects sensitive networking equipment from blackouts, voltage fluctuations and transient surges
- Line Interactive Automatic Voltage Regulation (AVR) corrects 230V nominal input from 170 to 282VAC to usable 230V levels without consuming battery power
- AVR circuits boost undervoltages from 170 to 199V by 12% and reduce overvoltages from 245 to 282V by 12%
- Network interfaces support simultaneous communications via USB, DB9 serial or contact closure and SNMPWEBCARD slot
- Included PowerAlert UPS monitoring software supports safe unattended shutdown, monitoring and control via local connected servers, plus any number of additional servers over IP
- Communications ports support on-battery, low-battery, power-restored, AC-voltage, DC-voltage, output current monitoring, battery charge current, battery

capacity, internal UPS temperature, AC line frequency, timed inverter shutoff and activate self-test

- Built-in Emergency Power Off (EPO) interface with cable
- Sine wave output in AC and battery mode
- Expandable runtime with optional BP48V24-2U (limit 1), BP48V60RT-3U (multi-pack compatible) and BP48V27-2US (multi-pack compatible) external battery packs
- Half/full load runtime of 27/10 minutes with internal batteries
- Includes 11 output receptacles (3 C19/8 C13)
- Hardwire input AC connection
- 3 stage metered LEDs offer current monitoring and battery charge level
- Mains power and voltage regulation LEDs offer at-a-glance power status information
- Front panel switches support self-test and alarm cancel functions
- Included adjustable mounting rails support installation in 4 post 19 inch racks
- Supports 2 post rackmount installation with optional 2POSTRMKIT accessory
- Supports upright tower placement with optional 2-9USTAND accessory
- CE, GOST, SASO listed

Specifications

General Info	
RoHS	Y
OUTPUT	
Output Volt Amp Capacity (VA)	5000
Output kVA Capacity (kVA)	5
Output Watt Capacity (Watts)	3750
Output kW Capacity (kW)	3.75
Power Factor	0.75
Nominal Output Voltage(s) Supported	220V; 230V; 240V
Nominal Voltage Details	230v nominal inverter output voltage
Frequency Compatibility	50 / 60 Hz
Output Voltage Regulation (Line Mode)	-17%, +8%
Output Voltage Regulation (Battery Mode)	+/- 5%
Output Receptacles	(8) C13; (3) C19
Included Output Power Cables	Includes 3 C13 to C14 output power cables
Output Circuit Breakers	15A (x3) breaker supports 1 C19 outlet each, 10A (x2) breaker supports 4 C13 outlets each
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave

INPUT	
Rated input current (Maximum Load)	27A
Nominal Input Voltage(s) Supported	230V AC
UPS Input Connection Type	Hardwire
UPS Input Connection Description	Hardwire input supports International 230V input (L, N, PE)
Input Phase	Single-Phase
BATTERY	
Full Load Runtime (min.)	8.5 min. (3750w)
Half Load Runtime (min.)	20 min. (1875w)
Expandable Battery Runtime	Extended runtime supported via optional external battery packs
External Battery Pack Compatibility	BP48V24-2U (limit 1); BP48V60RT-3U (multi-pack compatible); BP48V27-2US (multi-pack compatible)
DC System Voltage (VDC)	48
Battery Recharge Rate (Included Batteries)	Less than 4 hours from 10% to 90% (typical, full load discharge)
Internal UPS Replacement Battery Cartridge	RBC94-3U (quantity 3)
Battery Access	Front panel battery access door
Battery Replacement Description	Hot-swappable, user replaceable batteries
VOLTAGE REGULATION	
Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 170 to 282
Overvoltage Correction	Input voltages between 245 and 282 are reduced by 12%
Undervoltage Correction	Input voltages between 170 and 199 are boosted by 12%
USER INTERFACE, ALERTS & CONTROLS	
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation
Alarm Cancel Operation	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status
Audible Alarm	Audible alarm indicates power-failure, overload and low-battery conditions
LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	480
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes

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PHYSICAL	
Installation Form Factors Supported with Included Accessories	4 post 19 inch rackmount
Installation Form Factors Supported with Optional Accessories	2 post rackmount (2POSTRMKITWM); Tower (2-9USTAND)
Primary Form Factor	Rackmount
UPS Power Module Dimensions (hwd, in.)	5.2 x 17.5 x 25
UPS Power Module Dimensions (hwd, cm)	13.3 x 44.4 x 63.5
Installed Whole System Maximum Rack Depth (in.)	25
Installed Whole System Maximum Rack Depth (cm)	63.5
Rack Height (U Spaces)	3
UPS Power Module Weight (lbs.)	143
UPS Power Module Weight (kg)	64.9
UPS Shipping Dimensions (hwd / in.)	11.3 x 23 x 31.5
UPS Shipping Dimensions (hwd / cm)	28.6 x 58.4 x 80
Shipping Weight (lbs.)	182
Shipping Weight (kg)	82.6
Cooling Method	Fans
UPS Housing Material	Steel
ENVIRONMENTAL	
Operating Temperature Range	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature Range	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Relative Humidity	0 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	271
AC Mode Efficiency Rating (100% Load)	98%
COMMUNICATIONS	
Communications Interface	USB; DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions
PowerAlert Software	Included
Communications Cable	USB and DB9 cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications

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LINE / BATTERY TRANSFER	
Transfer Time	7 ms (AC to Battery); 1 ms (Battery to AC) typical
Low Voltage Transfer to Battery Power (Setpoint)	170
High Voltage Transfer to Battery Power (Setpoint)	282
SPECIAL FEATURES	
Grounding Lug	Back panel grounding lug
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Hot swappable batteries
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS
CERTIFICATIONS	
UPS Certifications	CE
UPS Certification Details	Class A (EMI)
WARRANTY	
Product Warranty Period (International)	2-year limited warranty
Product Warranty Period (Mexico)	2-year limited warranty
Product Warranty Period (Puerto Rico)	2-year limited warranty

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